Library

ALL SAINTS COLLEGE LIBRARY
No.
TRIVANDRUM

(Pages : 3)

N – 4022

Reg. No. : .....

Name : .....

First Semester B.Sc. Degree Examination, June 2022

First Degree Programme under CBCSS

Zoology

Core Course I

ZO 1141 : ANIMAL DIVERSITY – I

(2019 Admission)

Time : 3 Hours

Max. Marks : 80

I. Answer **all** questions in **one** or **two** sentences. **Each** question carries **1** mark.

1. What is ICZN? Mention its role?
2. What are Trichocysts?
3. What is Bilateria?
4. Explain Evisceration.
5. What are cnidocytes?
6. What is tube feet?
7. Describe extra intestinal migration.
8. Write the scientific name of the insect pest attacking paddy.
9. What is holozoic nutrition.
10. Explain metagenesis.

(10 × 1 = 10 Marks)

P.T.O.

II. Answer any **eight** questions. **Each** question carries **2** marks and answers should not exceed **one** paragraph)

11. State the Law of Priority

12. Give a brief account on the food vacuole in *Paramecium*.

13. Differentiate Polyp and Medusa.

14. Explain sexual dimorphism in *Schistosoma*.

15. Write short notes on *Echinus*.

16. Differentiate between Protostomia and beuterostomia.

17. Explain the blood feeding adaptations of *Hirudinaria*.

18. Illustrate parasitic castration with an example.

19. Enlist the role of *Peripatus* as a connecting link.

20. Briefly describe the economic importance of *Perna*.

21. Describe the salient features of class Merostomata with an example.

22. Give a brief account on *Sepia*.

(8 × 2 = 16 Marks)

III. Answer any **six**. (**Each** question carries **4** marks; each answer should not exceed **120** words)

23. Explain the life cycle and pathogenicity of *Ascaris*.

24. Describe the Principles of Nomenclature.

25. Give an account on the morphology, life history and pathogenicity of *Entamoeba histolytica*.

26. What are corals? Comment on its significance.

27. Comment on the different types of mosquitoes and their life cycle.

28. Give an account on the pests of coconut.

29. Explain the water vascular system in Asteroidea.

30. Describe the medusa of Obelia with the help of a diagram.

31. Explain the external morphology of *Neries.*

(6 × 4 = 24 Marks)

IV. Answer any **two** questions. **Each** question carries **15** marks.

32. Explain the morphology, life cycle and pathogenicity and prophylaxis of *Plasmodium vivax*.

33. Citing relevant examples explain the outline classification of Phylum Porifera.

34. Describe the structure and functions of Penaeus appendages with suitable diagrams.

35. What are the salient features of Phylum Mollusca. Explain the economic importance of molluscs.

(2 × 15 = 30 Marks)
